AMENDMENTS TO THE SPECIFICATION

The following is a marked up version of each replacement paragraph and/or section of the specification in which underlines indicate insertions and strikethroughs indicate deletions.

Please replace the paragraph on page 16, containing lines 6-17 with the following paragraph:

For any node v (e.g., S1), net-transition-tree(v) stores all acyclic paths from v to other vertices in its SCC. The tree has v as its root, and its height is equal to the number of nodes in the SCC containing v. Children of v are all the nodes in its SCC that have a direct edge from v. In general, the children of any node [[μ]] u (e.g., S1-S7) are all the nodes in its SCC that have a direct edge from node [[μ]] u. Note that a node may appear multiple times in this tree. That is, each node has a label where the labels are not necessarily unique. The root node has label v. A node labeled [[μ]] u has as many children as the outdegree of u (number of edges leaving u) in its SCC, and these children are labeled with the corresponding nodes in the SCC.